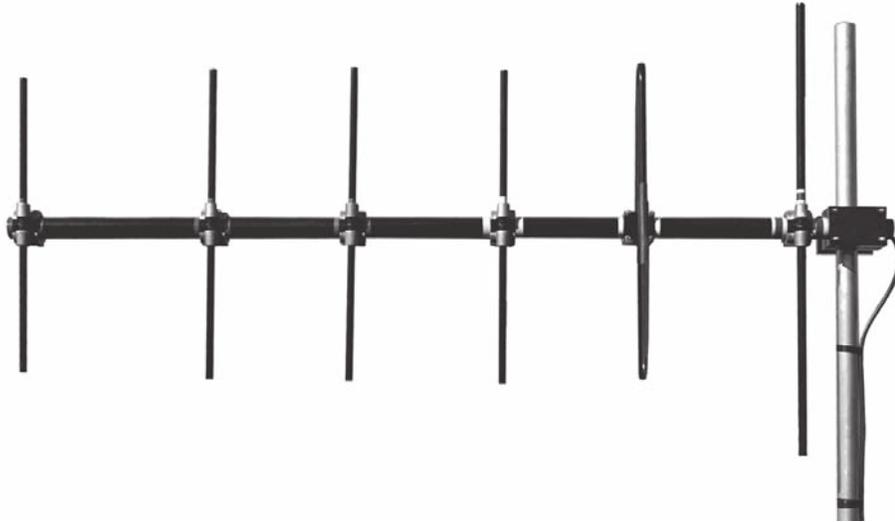


# ANT150Y10H

## YAGI ANTENNA 10 dBd



The Telewave ANT150Y10H is a very rugged, high performance directional antenna. Six elements provide a minimum of 10 dBd gain, high front-to-back ratio, and wide band capability. The elements are constructed from solid aluminum to prevent intermodulation and provide exceptional strength.

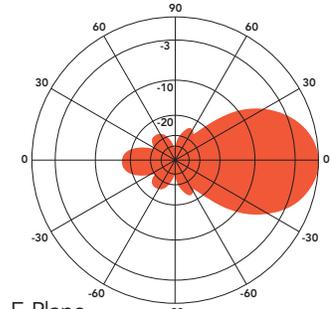
Each antenna is completely protected with our high-tech Txylan™ coating, which provides icing resistance and protection from corrosive gases, UV radiation, salt spray, acid rain and wind-blown sand. The feed line is protected within the boom, and the radiating element is completely sealed

against ice and other hazards. All antenna components are at DC ground for lightning protection.

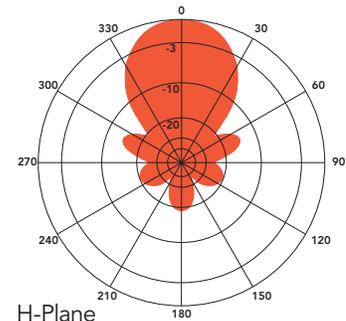
The ANT150Y10H includes a heavy duty clamp set, which allows the antenna boom to be rotated for polarization adjustment. (Please contact Telewave if horizontal operation is planned.)

This clamp set secures the antenna to a vertical or horizontal mast or tower support from 1.5"-3.5" O.D. The antenna is shipped unassembled to reduce cost, and is easily assembled in the field with color coded marks.

ANT150Y10H at 156 MHz

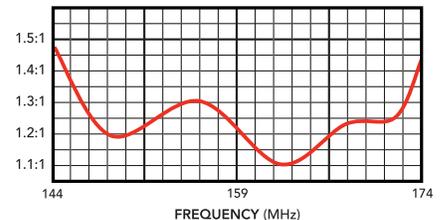


E-Plane  
Gain: 10.1 dBd



H-Plane  
Gain 10.1 dBd

TYPICAL VSWR RESPONSE



### SPECIFICATIONS

Frequency (continuous)	144-174 MHz	Elements	6
Gain (typ)	10 dBd	Dimensions (L x H)	96 x 40 in.
Power rating (typ)	500 watts	Antenna weight	33 lb.
Impedance / VSWR	50 ohms / 1.5:1 (max)	Shipping weight	37 lb.
Front to back ratio (min)	17 dB	Wind rating / with 0.5" ice	150 / 100 MPH
Beamwidth V / H	44° / 47°	Exposed area (flat plate equiv.)	1.7 ft. <sup>2</sup>
Pattern / Polarization	Directional / Vertical (Horizontal opt. if specified)	Lateral thrust at 100 MPH (40 psf - flat plate equiv.)	67 lb.
Termination	N Male or 7-16 DIN (opt)	Bending moment at mast clamp	222 ft. lb.